METHOD FOR LOCATING AN ELEMENT OF INTEREST CONTAINED IN A THREE-DIMENSIONAL OBJECT

ABSTRACT OF THE DISCLOSURE

The stereotaxic images being digitized, a target pixel in a target region of interest is selected, a target window of chosen dimensional characteristics and containing the said target region of interest is generated around the selected target pixel, a set of pixels is determined in a second image, according to a predetermined selection criterion, a second window, of the same dimensional characteristics as the said target window, is generated around each selected pixel, a correlation processing between the grey-scale levels of the pixels of each second window and the grey-scale levels of the pixels of the target window is carried out so as to obtain a correlation value for each second window, and the region of interest homologous to the target region of interest is identified on the basis of the analysis of the set of correlation values thus obtained, so as to minimize the risks of matching error between the homologous regions of interest. The element of interest is then located on the basis of the positions of the two homologous regions.